

App. No.: 10/690,946
Art Unit: 2836

AMENDMENTS TO THE CLAIMS

Please replace all prior versions of the claims with the following claim listing:

Claims:

1. (Original) A system comprising:
a threshold detector circuit;
a first switching circuit for enabling access to a back-up power source, the first switching circuit comprising at least a first transistor; and
wherein the threshold detector is configured to cause the first switching circuit to enable access to the back-up power source responsive to a voltage provided by a primary power source dropping below a predetermined threshold.
2. (Original) The system of claim 1, further comprising:
a second switching circuit for enabling access to a primary power source, the second switching circuit comprising at least one transistor.
3. (Original) The system of claim 2, wherein the threshold detector is configured to cause the second switching circuit to enable access to the second power source responsive to a voltage provided by a primary power source rising above the predetermined threshold.
4. (Original) The system of claim 1, further comprising:
an inverting switch coupled between the first switching circuit and the threshold detector.
5. (Original) The system of claim 4, wherein the inverting switch comprises at least one transistor.
6. (Original) The system of claim 4, further comprising:
an inverter coupled between the inverting switch and the threshold detector.

App. No.: 10/690,946
Art Unit: 2836

7. (Original) The system of claim 6, wherein the inverter comprises a comparator.
8. (Original) The system of claim 1, wherein the first switching circuit comprises a second transistor coupled to the first transistor.
9. (Original) The system of claim 8, wherein an emitter of the first transistor is coupled to a collector of the second transistor.
10. (Original) The system of claim 9, wherein current flow between respective collectors and emitters of the first and second transistors terminates access to the back-up power source.
11. (Original) The system of claim 9, wherein resistance to current flow between respective collectors and emitters of the first and second transistors enables access to the back-up power source.
12. (Original) A method comprising the steps of:
detecting a primary voltage dropping below a predetermined threshold;
enabling at least a first transistor to provide access to a back-up voltage responsive to detecting the drop in the primary voltage.
13. (Original) The method of claim 12, further comprising:
enabling at least a second transistor to terminate access to the primary voltage responsive to detecting the drop in the primary voltage.
14. (Original) The method of claim 12, further comprising:
detecting the primary voltage rising above the predetermined threshold;

App. No.: 10/690,946
Art Unit: 2836

enabling at least a second transistor to provide access to the primary voltage responsive to detecting the rise in the primary voltage.

15. (Original) The method of claim 14, further comprising:
enabling the at least first transistor to terminate access to the back-up voltage responsive to detecting the rise in the primary voltage.

16. (Original) A system comprising:
means for detecting a primary voltage dropping below a predetermined threshold;
means for enabling at least a first transistor to provide access to a back-up voltage responsive to detecting the drop in the primary voltage.

17. (Original) The system of claim 16, further comprising:
means for enabling at least a second transistor to terminate access to the primary voltage responsive to detecting the drop in the primary voltage.

18. (Original) A system comprising:
a threshold detector circuit;
a first switching circuit for enabling access to a back-up power source, the first switching circuit comprising at least a first transistor;
a second switching circuit for enabling access to a primary power source, the second switching circuit comprising at least one transistor;
an inverting switch coupled between the first switching circuit and the threshold detector; and
an inverter coupled between the inverting switch and the threshold detector;
wherein the threshold detector is configured to cause the first switching circuit to enable access to the back-up power source responsive to a voltage provided by a primary power source dropping below a predetermined threshold; and

App. No.: 10/690,946
Art Unit: 2836

wherein the threshold detector is configured to cause the second switching circuit to enable access to the second power source responsive to a voltage provided by a primary power source rising above the predetermined threshold.

19-20. (Canceled)

21. (New) The system of claim 1, wherein the threshold detection circuit further comprises:

a comparator having a first input connection for receiving a first input voltage, a second input connection for receiving a second input voltage, and an output connection for providing an output voltage;

a first resistor and a first capacitor that are coupled in series between the first input connection and the output connection; and

a second resistor that is coupled between the first input connection and the output connection, and that is coupled in parallel to the series of first resistor and the first capacitor.

22. (New) The system of claim 21, wherein the threshold detection circuit is configured to cause a first switching circuit to enable access to the back-up power source responsive to a voltage provided by a primary power source dropping below a predetermined threshold.